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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

Vol. XIV, No. 8 — 3 — August, 1966

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1966, averaged 97,536 barrels daily, an increase of 229 barrels from the average July production of 97,307.

The nine refineries in state processed 96,833 barrels of crude oil daily for the month of August, 1966 an increase of 4,405 barrels from the 92,428 barrels processed daily during the month of July, 1966.

During August, 53 wells were completed, 18 oil, 1 gas well and 34 dry holes.

During August, the commission issued 43 permits to drill new wells, a decrease of 3 from 46 permits issued during July.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF AUGUST, 1966

IN STORAGE AUGUST 1st	
By Producers	347,964
By Transporters	1,096,906
By Refiners	641,547
TOTAL STORAGE	2,086,417
Produced in Montana During Month	3,023,617
Imported During Month	2,070,773
TOTALS	7,180,807
DISPOSITION:	
Refined in Montana	3,001,823
Exported	2,311,910
Used for Fuel or Lost	25,376
TOTAL	5,339,109
IN STORAGE AUGUST 31st	
By Producers	329,074
By Transporters	1,001,018
By Refiners	511,606
TOTAL STORAGE	1,841,698

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1966

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	39,767
Bowdoin	61,967
Bowes	47,280
Cabin Creek	110,958
Cedar Creek	146,648
Cut Bank (Including Reagan)	738,134
Devon	0
Dry Creek	7,292
Elk Basin	846,805
Flat Coulee	0
Gold Butte	2,636
Golden Dome	0
Grandview	10,179
Hardin	4,167
Keith Block	254,879
Kevin Sunburst	31,550
Lake Basin	104,939
Middle Butte	0
Mt. Lilly	0
Pine	68,384
Plevna	13,159
Utopia	0
Whitlash	200,967
Miscellaneous	100,889
TOTAL	2,790,600

Total withdrawals for August, 1965 were 1,697,961 M Cu. Ft.

PRODUCERS REPORT—MONTH OF AUGUST, 1966

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	627	6,008	.....	6,215	.....	420
2	Bannatyne	2	1,683	279	.....	527	47	1,388
1	Bascom	1	112	.....	112	.....	.....	.....
6	Bear's Den	6	1,021	1,911	.....	1,736	.....	1,196
1	Benrud	1	770	2,365	2,727	.....	.....	408
1	Benrud East	1	503	9,826	9,866	.....	.....	463
2	Benrud Northeast	2	1,094	16,979	17,272	.....	.....	801
....	Berthelote	....	50	.....	.....	.....	.....	50
8	Big Wall	26	1,315	15,892	15,799	.....	.....	1,408
6	Blackfoot	9	1,364	4,578	981	3,612	.....	1,349
1	Blackfoot East	1	170	44	.....	.....	.....	214
4	Border	6	.....	2,442	.....	2,442	.....	.....
1	Bowes	59	7,134	15,865	18,663	.....	.....	4,336
2	Bradley	2	627	874	1,298	.....	.....	203
1	Brady	1	72	412	188	.....	.....	296
....	Bynum	....	75	.....	.....	.....	.....	75
2	Cabin Creek	102	6,479	260,841	258,897	.....	.....	8,423
15	Cat Creek	87	2,026	15,137	14,539	.....	.....	2,624
1	Clark's Fork	1	232	159	.....	154	.....	237
3	Conrad South	4	990	2,243	2,320	.....	250	663
1	Cupton	1	616	942	.....	.....	.....	1,558
187	Cut Bank	993	99,403	358,954	357,487	4,323	562	95,985
2	Deer Creek	2	1,873	3,238	3,903	.....	.....	1,208
1	Delphia	1	263	383	.....	388	.....	258
....	Devil's Basin	....	451	.....	.....	.....	.....	451
1	Dry Creek	1	66	38	.....	.....	.....	104
15	Dwyer	16	5,211	27,582	27,533	.....	.....	5,260
4	Elk Basin	55	1,677	261,872	262,013	.....	.....	1,536
5	Elk Basin Northwest	16	2,984	19,085	19,194	.....	.....	2,875
2	Fairview	2	1,137	15,741	.....	15,317	.....	1,561
3	Fertile Prairie	3	944	2,463	888	1,479	.....	1,040
23	Flat Coulee	29	4,870	21,175	21,555	.....	.....	4,490
29	Flat Lake	46	8,589	115,828	117,049	.....	93	7,275
2	Frannie	2	.....	1,252	1,252	.....	.....	.....
18	Fred & George Creek	40	1,550	135,010	135,317	.....	.....	1,243
1	Gage	1	594	336	.....	470	.....	460
....	Gage Southwest	....	288	.....	.....	.....	.....	288
3	Gas City	29	5,520	47,540	41,052	8,526	.....	3,482
9	Glendive	15	4,530	43,288	36,011	6,113	.....	5,694
19	Goose Lake	21	3,112	62,696	62,004	.....	.....	3,804
10	Graben Coulee	24	5,739	20,040	14,207	6,958	24	4,590
....	Grandview	....	112	.....	.....	.....	.....	112
4	Gypsy Basin	5	8,707	4,185	.....	1,449	6,153	5,290
1	Hibbard	1	412	226	.....	390	.....	248
8	Ivanhoe	13	1,772	13,775	14,021	.....	62	1,464
11	Keg Coulee	28	5,092	31,138	31,061	.....	.....	5,169
2	Keg Coulee North	2	883	2,166	2,211	.....	.....	838
117	Kevin Sunburst	708	17,310	37,935	32,774	4,679	.....	17,792
3	Little Beaver	32	1,651	35,029	34,275	659	.....	1,746
2	Little Beaver East	14	2,463	17,081	17,264	.....	.....	2,280
2	Lodge Grass	2	484	1,519	.....	1,258	.....	745
3	Lone Tree	3	1,217	5,450	.....	5,712	85	870
24	Lookout Butte	81	6,907	167,450	169,784	.....	.....	4,573
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	376	2,211	2,310	.....	.....	277
2	Melstone	5	980	2,743	2,778	.....	.....	945
1	Mineral Bench	1	616	2,296	2,385	.....	.....	527
2	Miner's Coulee	4	670	6,063	6,099	.....	.....	634
7	Monarch	12	4,428	14,064	13,772	.....	.....	4,720
4	Mosser	4	648	428	.....	1,076	.....	.....
7	Outlook	12	7,742	41,305	41,795	.....	.....	7,252
2	Outlook South	2	1,129	1,917	1,328	.....	.....	1,718
66	Pennel	111	8,378	170,320	174,071	.....	.....	4,627
4	Pine	127	14,169	350,201	350,308	.....	.....	14,062
3	Pole Creek	5	2,093	2,602	.....	2,840	.....	1,855
71	Pondera	312	8,699	30,505	31,460	.....	.....	7,744
....	Pondera Coulee	....	.....	.....	.....	.....	.....	.....
5	Poplar East	73	9,571	73,407	72,425	.....	85	10,468
4	Poplar Northwest	5	2,143	1,729	2,459	.....	.....	1,413
2	Prairie Elk	2	710	904	.....	.....	.....	1,614
4	Ragged Point	13	2,790	6,189	6,391	.....	.....	2,588
3	Ranch Creek	3	1,345	2,504	.....	3,030	24	795
4	Reagan	45	841	18,159	18,104	.....	.....	896
1	Red Creek	27	.....	23,379	22,792	587	.....	.....
1	Redstone	1	632	965	1,120	.....	.....	477
1	Repeat	1	249	1,980	.....	1,993	.....	236
1	Richey	1	1,632	599	.....	.....	.....	2,231
6	Richey Southwest	8	2,669	10,346	.....	10,273	.....	2,742
4	Sand Creek	6	.....	7,780	7,780	.....	.....	.....
1	Shotgun Creek	1	195	553	.....	560	.....	188
3	Sidney-Brorson	3	1,897	1,660	.....	1,835	.....	1,722
1	Snyder	3	1,015	605	.....	786	.....	834
5	Soap Creek	9	3,690	4,524	.....	4,009	.....	4,205
1	Spring Lake	2	3,063	4,616	.....	4,733	.....	2,946
2	Stensvad	24	4,713	28,792	28,294	.....	.....	5,211
31	Sumatra	88	11,047	64,866	65,157	.....	.....	10,756
5	Tule Creek	7	2,882	40,452	5,381	34,983	.....	2,970
2	Tule Creek East	2	1,467	27,315	.....	28,265	.....	517
1	Tule Creek South	1	495	3,358	.....	3,256	.....	597
2	Vida	2	886	2,874	.....	3,259	.....	501
4	Volt	6	2,269	23,195	23,312	.....	.....	2,152
7	Weldon	18	2,360	173,029	172,462	.....	.....	2,927
18	Whitlash	45	6,231	23,183	22,853	.....	.....	6,561
1	Whitlash West	1	140	1,724	1,724	.....	.....	140
2	Wills Creek South	2	1,590	8,484	8,915	.....	.....	1,159
9	Wolf Springs	15	4,540	23,499	22,578	.....	.....	5,461
3	Woodrow	4	531	4,568	4,435	.....	.....	664
....	Wildcat, Carbon County	....	50	.....	.....	.....	50	.....
1	Wildcat, Glacier County	1	99	393	.....	352	2	138
1	Wildcat, Liberty County	1	649	78	.....	198	1	528
1	Wildcat, Richland County	1	1,221	526	.....	1,138	.....	609
1	Wildcat, Roosevelt County	1	273	448	.....	405	.....	316
2	Wildcat, Sheridan County	2	212	1,029	.....	924	.....	317
1	Wildcat, Toole County	1	398	1,978	.....	2,155	.....	221
883	Total	3,524	347,964	3,023,617	2,856,005	179,064	7,438	329,074

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1965	32,778,118	89,803	32,787,648	89,829
First Quarter, 1966	8,617,148	95,746	8,589,395	95,437
Second Quarter, 1966	8,949,646	98,347	8,979,056	98,670
July, 1966	3,016,518	97,307	3,010,230	97,104
August, 1966	3,023,617	97,536	3,035,069	97,905

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1965	331,221	946,634	498,990	1,776,845
March, 1966	347,070	1,048,199	675,920	2,071,189
June, 1966	346,155	1,132,500	706,521	2,185,176
July, 1966	347,964	1,096,906	641,547	2,086,417
August, 1966	329,074	1,001,018	511,606	1,841,698

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF AUGUST, 1966

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			6,215				6,215		
BANNATYNE—Truck			527			527			
BEAR'S DEN—Truck			1,736					1,736	
BIG WALL—Continental Pipeline Co.		15,641				15,641			
BLACKFOOT—									
Camerland Cardinal Corp.			3,612			3,612			
Union Oil Co.		981				981			
		981	3,612			4,593			
BORDER—Truck			2,442					2,442	
BOWES—Texaco Inc.		18,663				18,663			
CABIN CREEK & OTHERS°									
Butte Pipeline Co.	311,260	881,841	35,558	845,948			1,753,632		320,975
Shell Pipeline Co.	6,155	358,184		973	(568)			360,302	5,578
	317,415	1,240,025	35,558	846,921	(568)		1,753,632	360,302	326,553
CAT CREEK—Continental Pipeline Co.		10,282				10,282			
CLARK'S FORK—Truck			154				154		
CUT BANK—									
Continental Pipeline Co.			16,580	352,892		369,472			
Phillips Petroleum Co.	87,625	70,357		60,054	4,073	114,898			99,065
Producers Pipeline Co.	35,223	41,219						62,164	14,278
Texas Pipeline Co.	24,658	66,559		49,220	718			107,767	31,952
Union Oil Co.	124,779	59,704		12,799	1,399	120,290			75,593
Western Oil Trans. Co.	47,135	35,824		151,888	358			209,032	25,457
Western Oil Trans. (Moulton)		122,384			1,224			121,160	
	319,420	396,047	16,580	626,853	7,772	604,660		500,123	246,345
DELPHIA—Truck			388			388			
DWYER—Portal Pipeline Co.		27,355					27,355		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		278,131				278,131			
FAIRVIEW—									
Rock Island Oil & Ref. Co.			15,317				15,317		
FLAT COULEE—									
Camerland Cardinal Corp.		19,745						19,745	
FLAT LAKE—Portal Pipeline Co.		116,914					116,914		
FRANNIE—Interstate Pipeline Co.		1,252					1,252		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	24,765	138,641				3,868		141,418	18,120
GAGE & GAGE SOUTHWEST—Truck			470			470			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,020	46,270			637			45,077	6,576
GOOSE LAKE—Portal Pipeline Co.		61,271					61,271		
HIBBARD—Truck			390			390			
IVANHOE—Continental Pipeline Co.		14,430				11,576	2,854		
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		37,949				8,852	29,097		
KEVIN SUNBURST—									
Big West Oil Co.	2,558	34,190				33,069			3,679
Homestake Oil & Gas Co.	1,523	2,603		4,113		6,505			1,734
Producers Pipeline Co.			1,416				1,416		
Texas Pipeline Co.	7,504	11,588			46			11,921	7,125
	11,585	48,381	1,416	4,113	46	39,574	1,416	11,921	12,538
LODGE GRASS—McWood Corp.			1,258			1,258			
LONE TREE—Truck			5,712				5,712		
MASON LAKE—Continental Pipeline Co.		2,310				2,310			
MELSTONE—Continental Pipeline Co.		2,781				2,781			
MOSSER—Truck			1,076				1,076		
POLE CREEK—Truck			2,840				2,840		
PONDERA—Phillips Petr. Co.	63,434	34,343			126	44,175			53,476
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, RED-STONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	12,993	212,366			1,771			214,865†	8,723
RAGGED POINT—									
Continental Pipeline Co.		7,760				1,851	5,909		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			3,030				3,030		
RED CREEK—									
Western Oil Transportation Co.		23,783			238			23,545	
SHOTGUN CREEK—Truck			560				560		
SIDNEY-BRORSON—McWood Corp.	4,359		1,835	6,901				7,815	5,280
SNYDER—Truck			786			786			
SOAP CREEK—McWood Corp.	5,907		4,009	1,252		6,292			4,876
SPRING LAKE—									
Rock Island Oil & Ref. Co.			4,733				4,733		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	325,780	91,475		448,966	3,940	75,077	14,000	462,706	310,498
TULE CREEK—Tesoro Petr. Corp.	5,228		63,248			60,443			8,033
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		25,487				25,487			
WOLF SPRINGS—									
Continental Pipeline Co.		16,296				16,296			
WILDCAT WELLS—Truck			5,172				5,172		
TOTALS	1,096,906	2,888,579	179,064	1,935,006	13,962	1,234,371	2,058,509	1,791,695	1,001,018

°Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF AUGUST, 1966

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	.....	.....	.....	15,641	.....	.....	.....	.....	.....	15,641
Bowes	.....	.....	25,451	.....	.....	.....	.....	.....	.....	25,451
Cat Creek	.....	10,050	.....	.....	.....	76	.....	.....	.....	10,126
Cut Bank	.....	.....	.....	3,100	.....	.....	116,098	.....	84,730	203,928
Dry Creek	.....	.....	.....	.....	.....	2	.....	.....	.....	2
Elk Basin	.....	108,388	.....	70,178	99,564	.....	.....	.....	.....	278,130
Ivanhoe	.....	.....	.....	.....	11,576	.....	.....	.....	.....	11,576
Keg Coulee	.....	2,211	.....	6,641	.....	.....	.....	.....	.....	8,852
Kevin Sunburst	10,000	.....	.....	.....	.....	.....	.....	.....	29,574	39,574
Lodge Grass	.....	1,258	.....	.....	.....	.....	.....	.....	.....	1,258
Mason Lake	.....	2,310	.....	.....	.....	.....	.....	.....	.....	2,310
Melstone	.....	.....	.....	2,781	.....	.....	.....	.....	.....	2,781
Pondera	.....	.....	.....	.....	.....	.....	42,606	.....	.....	42,606
Ragged Point	.....	966	.....	885	.....	.....	.....	.....	.....	1,851
Red Creek	.....	.....	.....	.....	89,765	.....	.....	.....	.....	89,765
Snyder	.....	786	.....	.....	.....	.....	.....	.....	.....	786
Soap Creek	.....	6,292	.....	.....	.....	.....	.....	.....	.....	6,292
Sumatra & Stensvad	.....	15,443	.....	59,634	9,148	.....	.....	.....	.....	84,225
Tule Creek	.....	.....	.....	.....	.....	.....	.....	60,443	.....	60,443
Whitlash	25,487	.....	.....	.....	.....	.....	.....	.....	.....	25,487
Wolf Springs	.....	.....	.....	.....	19,966	.....	.....	.....	.....	19,966
Wildcat Wells	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Montana Oil	35,487	147,704	25,451	158,860	230,019	78	158,704	60,443	114,304	931,050
Canadian Oil Imported	.....	352,892	.....	.....	.....	.....	.....	.....	.....	352,892
Wyoming Oil Imported	.....	429,269	.....	444,170	844,442	.....	.....	.....	.....	1,717,881
Total Montana, Canadian and Wyoming Oil	35,487	929,865	25,451	603,030	1,074,461	78	158,704	60,443	114,304	3,001,823

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1965	32,792	12,751	44,980	90,523
August, 1965	27,902	11,462	60,787	100,151
August, 1966	30,033	11,385	55,415	96,833

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1965	36.22%	14.10%	49.68%
August, 1965	27.85%	11.46%	60.69%
August, 1966	31.01%	11.77%	57.22%